***RFID SOLAR ALARM***

1.0 Appendix

1.1 Items Needed

1.2 How to Start Planning the Build

1.3 Layouts

1.4 Wiring

1.5 Coding

1.6 Testing

1.7 Bug Finding

***Items Needed***

**1x** Arduino Mega 2x 12v 2.9AH GEL Batteries **1x** 2000mah 5v Battery bank **1x** 4000mah 5v Battery Bank

**1x** 5v to 5v USB converter **1x** RFID Reader MFRC522 **1x** 12v Siren **2x** Relay module

**1x** Reed Switch **3x** fuse holders 5v 6v 24v **1x** DC Step up module **1x** 24v Actuator

**1x** Servo Motor **1x** 20v Panel meter **1x** 5A Panel meter **1x** DHT11 Temp and Humid sensor

**1x** 20 x 4 LCD **1x** I2C MODULE **1x** LM7806 **1x** LM7805

**8x** 10k Resistors **1x** 2way DIP switch **1x** 6way DIP switch

***Planning Your Build***

It's always hard to start a project. The mind can go crazy with ideas, what to do, where to start.

There are 2 ways you can chose to go from the moment you start Planner or Builder.

I tend to use the Builder method VS Planner.

The Planner will Draft ALL Components and wiring Diagrams.

The Builder will Grab ALL Components and Start Building.

There is no RIGHT or WRONG it’s all about what works for yourself.

***Preparation***

***Wiring***

***Coding***

***Testing***

***Bug Fixing***

Bug fixing can be extremely hard make sure your serial print is on.

best way to determine bugs is to check your serial print.

I feel serial print is not working make sure you are on the same bandwidth default bandwidth is 9600.